

## LIST OF SHELLS COLLECTED AT ANAHEIM BAY AND VICINITY.

BY E. P. CHACE.

## COLLECTED IN THE BAY.

Acanthina spirata, Blainville.	Conus californicus, Hds.
Alectrion fossata, Gld.	Crepidula onyx rugosa, Nutt.
Alectrion mendica cooperi, Fbs.	Crucibulum spinosum, Sby.
Alectrion perpinguis, Gld.	Haminea vesicula, Gld.
Arcularia tegula, Rve.	Littorina scutulata, Gld.
Bullaria gouldiana, Pils.	Lucapina crenulata, Sby.
Calliostoma gemulatum, Cpr.	Lucapinella calliomarginata, Cpr.
Calliostoma tricolor, Gabb.	Melampus olivaceus, Cpr.
Cerithidea californica, Hald.	Olivella biplicata, Sby.
Cerithiopsis carpenteri, Bartsch	Olivella pedroana, Cpr.
Cerithiopsis pedroana, Bartsch.	Phasianella compta, Gld.
Columbella gausapata, Gld.	Polynices lewisii, Gld.
Columbella gausapata carinata, Hds.	Polynices recluziana, Desh.
Cardium quadragenarum, Conr.	Paphia staminea, Conr.
Cardium substriatum, Conr.	Paphia staminea laciniata, Cpr.
Chione fluctifraga, Sby.	Pecten circularis aequisulcatus, Cpr.
Chione succincta, Val.	Petricola denticulata, Sby.
Chione undatella, Sby.	Pholas pacifica, Stearns.
Cooperella subdiaphana, Cpr.	Platyodon cancellatus, Conr.
Diplodonta orbella, Gld.	Psammobia californica.
Donax californica, Conr.	Sanguinolaria nuttallii, Conr.
Heterodonax bimaculatus, D'Orb.	Saxidomus nuttallii, Conr.
Macoma indentata, Cpr.	Schizothaerus nuttallii, Conr.
Macoma nasuta, Conr.	Tagelus californianus, Conr.
Mactra californica, Conr.	Tagelus californianus subteres, Conr.
Modiolus capax, Conr.	Tellina carpenteri, Dall.
Ostraea lurida rufoides, Cpr.	Zirfaea gabbi, Tryon.

COLLECTED ON THE SANDBARS AND BEACH NEAR THE ENTRANCE  
OF THE BAY. ALIVE.

Bursa californica.		Tivela crassatelloides, Conr.
Donax levigata, Desh.		Turris ophioderma, Dall.
Murex festivus, Hds.		

WASHED UP ON THE BEACH AFTER STORMS, ALIVE OR  
VERY FRESH.

Amiantis callosa, Conr.		Metis alta, Conr.
Chama exogyra, Conr.		Modiolus flabellatus, Gld.
Chama pellucida, Sby.		Modiolus rectus, Conr.
Cryptomya californica, Conr.		Paphia tenerrima, Cpr.
Glottidea albida, Hds.		Periploma discus, Stearns.
Macoma secta, Conr.		Periploma planiuscula, Sby.
Mactra hemphilli, Dall.		Siliqua lucida, Conr.
Mactra planulata.		Solen rosaceus, Cpr.

## DEAD SHELLS COLLECTED ON THE BEACH.

Bathytoma tryoniana.		Labiosa undulata, Gld. (broken valves).
Dentalium neohexagonum, S. & P.		Mactra catilliformis, Conr.
Epitonium hindsi, Cpr.		Panopea generosa, Gld.
Sinum debilis, Gld.		Pecten giganteus, Gray.
Turritella cooperi, Cpr.		Thracia plicata.
Anomia peruviana, (upper valves).		Yoldia cooperi, Gabb. (valves only).

COLLECTED ON THE PILES OF THE BRIDGE ACROSS THE ENTRANCE  
OF THE BAY.

Acmaea patina, Esch.		Lasaea rubra, Mont.
Acmaea persona, Esch.		Myrina diegensis, Dall.
Littorina planaxis, Nutt.		Mytilus californianus, Conr.
Littorina scutulata, Gld.		
Cypraea spadicea, Gray. (1 only).		

Occasionally a rock washes in on the beach containing some *Lithophagus plumula*, Cpr. and *Kellia laperousii*, Desh., and the kelp brings in *Acmaea inessa*, Hds. *Eulima* (species undetermined) has been found in a kelp holdfast and a dead Poly-

nices lewisii with 7 *Crepidula excavata* Brod. on it washed in after a storm.

The territory covered by this list is quite limited. It includes about 2 miles of shore along the Bay and a short distance along the ocean-front on either side of the narrow entrance of the Bay. A total distance of 3 miles of shore.

All the species listed have been collected within the last three years, most of them by Mrs. Chace and myself. A few were collected by Mrs. J. E. Herbst, Mr. Valentine Herbst and Mr. Otto Kiem of Seal Beach.

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#### A HOME MADE VIVARIUM.

BY LILLIAN DYER THOMPSON.

I am having such success with a vivarium which I made that I thought perhaps some other conchologists might like to make some so that they, too, could study more closely the living animal, and become acquainted with the way they eat, walk, build their shells, etc.

I first bought a large roasting pan and a smaller pan that was as long as the other wide. These cost me twenty cents. Then I had a box made that the bigger pan would snugly fit and had it made six inches deep. The cover was of a fine-meshed wire netting fastened to a hinged frame. The box, of  $\frac{7}{8}$ " spruce stock, was made at odd moments and cost me twenty-five cents.

In one or two places, where the larger pan did not fit the case, I stuffed the cracks with wadded paper. Then I put the smaller pan across one end of the larger and filled any cracks with moss and earth.

I put a tuft of grass (which I shall supplant with a fresh-water alga soon) and a dead *Busycon* shell that I had washed to remove all traces of salt, which I have been told is injurious to snails. I then partially filled the pan with water, and my little fresh-water pond was ready for occupancy.

The remainder of the larger pan I filled with moss and bunches of grass containing growing plantain (of which the snails are very fond). As some snails love to hide under dead leaves, I put some in for them, and I also put in a stick that